

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

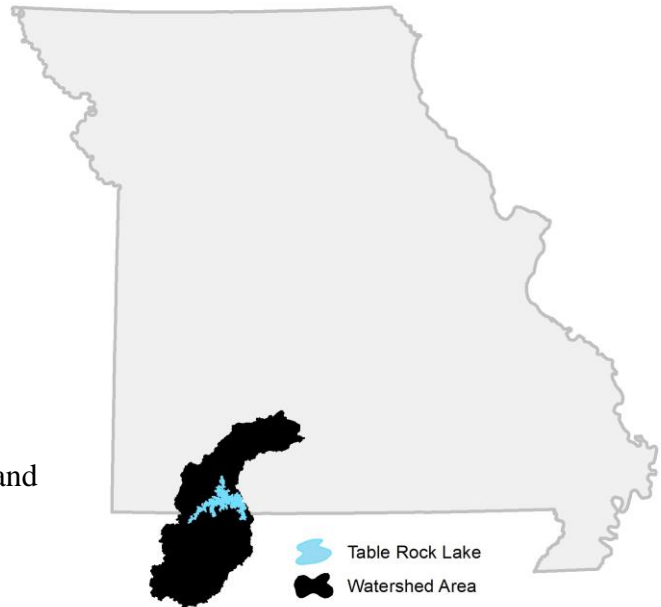
Total Maximum Daily Load Information Sheet

Table Rock Lake

Water Body ID: 7313

Water Body Segment at a Glance:

Counties:	Barry, Stone and Taney counties
Nearby City:	Branson
Size:	41,747 acres
Pollutants:	Nutrient/Eutrophication Chlorophyll Nitrogen
Source:	Point sources (municipal) and Nonpoint sources



Scheduled for TMDL development:

TMDL development schedules are subject to change.

The most current schedule for TMDL development is available on the department's website at dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm.

Description of the Problem

A water body is considered impaired when it fails to meet applicable water quality standards. Water quality standards consist of designated uses, water quality criteria, an antidegradation policy and implementation procedures. Table Rock Lake is impaired due to exceedances of the water quality criteria for the protection of aquatic life.

Designated uses of Table Rock Lake*

- Warm Water Habitat
- Whole Body Contact Recreation Category A
- Secondary Contact Recreation
- Human Health Protection
- Irrigation
- Livestock and Wildlife Protection

*In addition to these specific uses, all waters of the state are protected by the general water quality criteria that are specified in the state's Water Quality Standards at 10 CSR 20-7.031(4).

Designated use that is impaired

- Warm Water Habitat

Criteria that apply

Nutrient criteria for Table Rock Lake is found in Missouri's Water Quality Standards at 10 CSR 20-7.031 Table M. Criteria given are a total phosphorus concentration of 9 µg/L, a total nitrogen concentration of 253 µg/L, and a chlorophyll concentration of 2.6 µg/L.

The department's Listing Methodology Document requires a lake to be listed as impaired by nutrients if the lower 60 percent confidence limit (LCL 60) of the mean of the measured data exceeds the criteria values. For Table Rock Lake, the LCL60 values for total nitrogen and total chlorophyll exceed the site-specific criteria in Table M of the Water Quality Standards. The assessment worksheet detailing the data used for this analysis as well as the calculations used for determining impairment is available online at dnr.mo.gov/env/wpp/waterquality/303d/303d.htm.

TMDL for Table Rock Lake

The Table Rock Lake TMDL will calculate the maximum amount of each listed pollutant that the stream can receive and still meet water quality standards. The TMDL will also identify all potential or suspected pollutant sources in the watershed and distribute the allowable pollutant loads among those various sources. When developed, the Table Rock Lake TMDL will use the most current and available data. For this reason, the final TMDL may present information that differs from that contained in this information sheet.

For more information call or write:

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Table Rock Lake in Southwestern Missouri

